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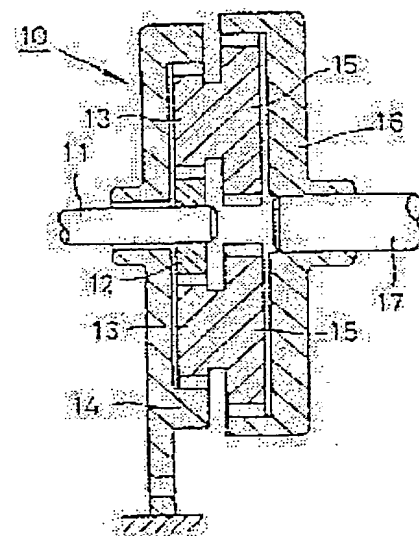
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(54) PLANETARY GEAR

(57)Abstract:

PURPOSE: To attain more weight lightness and simplification of planetary gears by tooth profile-setting one or both of a sun gear and the first planet gear such that the addendum of the gear is brought into contact with the dedendum of the counterpart gear within a 1-pitch meshing section.

CONSTITUTION: One or both of a sun gear 12 and the first planet gear 13 are tooth profile-set so that the addendum of the gear is brought into contact with the dedendum of the counterpart gear in at least 1-pitch meshing section. While, as a tooth profile in which the addendum is brought into contact with the dedendum of the counterpart gear, it is especially preferable to use a cycloid curve. In this way, force, applied in a radial direction, can be supported on the dedendum of counterpart gear. Also, the more weight lightness and simplification can be attained.



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